

City of Milwaukee Health Department | Microbiology Division

Monthly Report

September 2005 Vol. 10, No. 9

Ajaib Singh, D.V.M., Ph. D.

MICROBIOLOGY REPORT: The September 2005 issue of Microbiology Monthly Report, Volume 10, presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during August 2005 and new cases of syphilis in Milwaukee during July 2005. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during July is also included.

Legionnaires Disease (August 2005)

Patient		Test		
Age	Sex	Urine Antigen	Culture	DFA
62yr	M	+	ND	ND
68yr	M	+	ND	ND
45yr	M	+	ND	ND

ND = Not done.

Pertussis (Whooping cough (August 2005)

No positive case detected.

Syphilis (August 2005)

Test	Number Positive	Test	Number Positive
RPR	2	FTA-ABS	17
VDRL	45	DARKFIELD	0

New Cases (Syphilis)

The Wisconsin Division of Health has reported 7 new cases (early stages) of syphilis during July 2005 in Milwaukee. The median age of early syphilis cases is 44 years (range:29-77 years). Morbidity distributions of the disease reported in this and the corresponding month of the previous year are as follows:

New Cases of Syphilis (July 2005 and July 2004)

Stage	Number of Cases	
	July 2005	July 2004
Primary syphilis	0	0
Secondary syphilis	4	0
Early latent syphilis	3	1
Late latent syphilis	4	2
Total	11	3

Gonorrhea (MHD – August 2005)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
138	3 (IR)	0	0	0

Ir = intermediate Resistance

Gonorrhea from Other Sources (August 2005)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
3	0	0	0	0

Isolates Other Than *N. gonorrhoeae* (August 2005)

Organism	Site	Number Isolates	Organism	Site	Number Isolates
<i>Ureaplasma urealyticum</i>	Genital	33	<i>Mycoplasma hominis</i>	Genital	7

Parasitic Enteric Pathogens (August 2005)

Age	Sex	Pathogen	Number Cases
19	F	<i>Entamoeba coli</i>	1
18	F	<i>Giardia lamblia</i>	1
8	F	<i>Hymenolepis nana</i>	1
12	F	<i>Hymenolepis nana</i>	1
5	M	<i>Giardia lamblia</i>	1
63	M	<i>Strongyloides stercoralis</i>	1
41	F	<i>Cryptosporidium sp</i>	1
15	F	<i>Blastocystis hominis</i>	1
13*	F*	<i>Giardia lamblia</i>	1
		<i>Endolimax nana</i>	
14	F	<i>Giardia lamblia</i>	1
7	F	<i>Giardia lamblia</i>	1
12*	M*	<i>Giardia lamblia</i>	1
		<i>Blastocystis hominis</i>	
18*	M*	<i>Giardia lamblia</i>	1
		<i>Strongyloides stercoralis</i>	
		<i>Blastocystis hominis</i>	
5	F	<i>Giardia lamblia</i>	1
7	M	<i>Giardia lamblia</i>	1
6	F	<i>Giardia lamblia</i>	1
26*	F*	<i>Giardia lamblia</i>	1
		<i>Entamoeba coli</i>	
3	F	<i>Giardia lamblia</i>	1
5*	F*	<i>Entamoeba coli</i>	1
		<i>Endolimax nana</i>	
4*	M*	<i>Giardia lamblia</i>	1
		<i>Endolimax nana</i>	

*Dual infection

Mycobacterial infections (August 2005)

Age & sex	Test results			Identification
	Sputum smear	Culture	DNA probe	
18M*	+	+	+	<i>M. tuberculosis</i>
	+	+	+	<i>M. avium</i> complex

*Dual infection

Reference Cultures (August 2005)

Age	Sex	Site/Specimen Source	Culture Identification
45	F	Blood	<i>Methylobacterium</i> sp
26mo	F	Stool	<i>Bacillus cereus</i>
76	M	Blood	<i>Bacillus cereus</i>
73	M	Blood	<i>Corynebacterium</i> sp
53	F	Stool	<i>Citrobacter</i> sp
54	M	Blood	<i>Streptococcus mitis</i> sp/gp
81	M	Blood	<i>Aeromonas veronii</i> biovar <i>sobria</i>
5	M	Stool	<i>Escherichia coli</i> O157:H7
52	F	Stool	<i>Escherichia coli</i> O157:H7
6	F	Stool	<i>Escherichia coli</i> O157:H7

Bacterial Enteric Pathogens (August 2005)

Age	Sex	Pathogen	Age	Sex	Pathogen
7	M	<i>Shigella sonnei</i>	31	F	<i>Salmonella</i> group B monophasic i
60	F	<i>Shigella sonnei</i>	5mo	F	<i>Salmonella</i> freeTown
31mo	F	<i>Shigella sonnei</i>	45	F	<i>Salmonella</i> montevideo
8	F	<i>Shigella sonnei</i>	32	M	<i>Salmonella</i> typhimurium
24	M	<i>Shigella flexneri</i> type 2	63	M	<i>Salmonella</i> enteritidis
45	M	<i>Shigella sonnei</i>	19	F	<i>Salmonella</i> thompson
			30	F	<i>Salmonella</i> newport
			17mo	M	<i>Salmonella</i> thompson
			52	M	<i>Salmonella</i> minnesota
			10	F	<i>Salmonella</i> typhimurium
			25	M	<i>Salmonella</i> typhi
			23	F	<i>Salmonella</i> group B monophasic i
			18mo	M	<i>Salmonella</i> enteritidis
			54	M	<i>Salmonella</i> enteritidis
			7days	F	<i>Salmonella</i> derby
			5	F	<i>Salmonella</i> muenchen